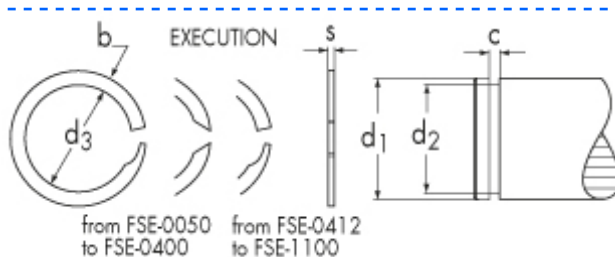


SMALLEY® SPIRAL RETAINING RINGS
SAE 1060-75 Carbon Steel

surface treatment:
Oil dipped
Example of designation: FSE-0050

**Heavy duty series
FSE - for shafts
(in inches)**

**d1=shaft diameter
d2=groove diameter
d3=internal ring diameter
S=thickness**

description	Price Euro x100	% Price Change		Package
		1	2	
FSE-0093	95,00	+ 20%	-	500

DESCRIPTION	GROOVE	THRUST CAPACITY
FSE-0093	d2 inch. 0.893 mm 22.68	ring shear Newtons 23.726 L.B.S. 5,334
d1 mm 23.80	Toll. d2 inch. -0,008 mm -0,200	(safety factor =3)
d1 inch 0.937	c inch. 0.051 mm 1.30	groove yield Newtons 6.481 L.B.S. 1,457
RING IN THE UNSTRESSED STATE	Toll. c inch. +0,006 mm +0,150	(based on a groove material yield strength of 310/mm and a safety factor of 2)
d3 inch. 0.886 mm 22.50		
Toll. d3 inch. -0,013 mm -0,33		
b inch. 0.085 mm 2.16		
Toll. b inch. +0,003/-0,005 mm +0,08/-0,13		
s inch. 0.045 mm 1.14		
Toll. s inch. +/-0,002 mm +/-0,05		
Weight Kg/1000 1.37		

Technical informations are indicative and can be updated.

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